CHEMICAL & BIOLOGICAL ENGINEERING

Master of Science in Chemical Engineering (M.S.Ch.E)

Plan I - Thesis

Shared Credit Program with B.S.Ch.E.

Department of Chemical & Biological Engineering

Name:_____ UNM ID #:_____

| Junior Year - Undergraduate Degree | | | | | |
|---|---|---|---|---|---|
| SPRING SEMESTER | | | | | |
| **Semester/Year** | **Course** | **Title** | **Hours** | **Grade** | **Applied toward BSCHE?** |
| | CBE 501 | Chemical & Biological Engineering Seminar | 1 | | |
| | | Total Semester Hours: | **1** | | |

| Senior Year - Undergraduate Degree | | | | | |
|---|---|---|---|---|---|
| FALL SEMESTER | | | | | |
| **Semester/Year** | **Course** | **Title** | **Hours** | **Grade** | **Applied toward BSCHE?** |
| | CBE 501 | Chemical & Biological Engineering Seminar | 1 | | |
| FA | CBE 586 | Introduction to Statistics and Design of Experiments | 3 | | |
| | | Total Semester Hours: | **4** | | |
| SPRING SEMESTER[2] | | | | | |
| **Semester/Year** | **Course** | **Title** | **Hours** | **Grade** | **Applied toward BSCHE?** |
| | | Technical Elective[1] | 3 | | |
| | | Total Semester Hours: | **3** | | |

| First Year - MS in Chemical Engineering | | | | | |
|---|---|---|---|---|---|
| FALL SEMESTER | | | | | |
| **Semester/Year** | **Course** | **Title** | **Hours** | **Grade** | **Applied toward BSCHE?** |
| | CBE 501 | Chemical & Biological Engineering Seminar | 1 | | |
| FA | CBE 502 | Chemical & Biological Engineering Research Practices | 3 | | |
| FA | CBE 521 | Advanced Transport Phenomena I | 3 | | |
| FA | CBE 525 | Methods of Analysis in NE, CBE | 3 | | |
| | CBE 599 | Master's Thesis | 3 | | |
| | | Total Semester Hours: | **13** | | |
| SPRING SEMESTER[2] | | | | | |
| **Semester/Year** | **Course** | **Title** | **Hours** | **Grade** | **Applied toward BSCHE?** |
| SP | CBE 542 | Advanced Chemical Engineering Thermodynamics | 3 | | |
| SP | CBE 561 | Kinetics of Chemical Processes | 3 | | |
| | CBE 599 | Master's Thesis | 3 | | |
| | | Total Semester Hours: | **9** | | |
| | | Total Hours for MSCHE: | **30** | | |

(1) Technical electives are chosen with consultation of your MSChE advisor. A maximum of 3 hrs of CBE 551: Problems may be used toward Technical Electives.

(2) CBE 501 is not listed in these semesters because only 3 hrs of CBE 501 will count toward the MSChE degree program. However, we do encourage our MS students to take CBE 501 each semester they are in the program.